## PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY						
To: LISA A. HAILE DLA PIPER RUDNICK GRAY CARY US LLP 4365 EXECUTIVE DRIVE, SUITE 1100 SAN DIEGO, CA 92121-2133		PCT  WRITTEN OPINION OF THE				
3AN BILOO, CA 72121-2133		INTERNATIONAL SEARCHING AUTHORITY				
	(PCT Rule 43bis.1)					
		Date of mailing (day/month/year)	28 APR 200b			
Applicant's or agent's file reference	FOR FURTHER ACTION					
BURN1110WO		See paragraph 2 below				
International application No. Internat	(day/month/year)	month/year) Priority date (day/month/year)				
PCT/US05/05407 18 February 2005 (18.02				1)		
International Patent Classification (IPC) or both na	tional classificat	ion and IPC				
IPC(8): Please See Continuation Sheet USPC: 536/1.11,4.1,22.1;800/14-18,7;426/580;4	135/74,193;514/2	23,25,42,62				
Applicant						
THE BURNHAM INSTITUTE						
This opinion contains indications relating to the following items:						
Box No. I Basis of the opinion						
Box No. II Priority						
Box No. III Non-establishment of	f opinion with re	gard to novelty, inver	ntive step and industrial applicat	oility		
Box No. IV Lack of unity of inve	ntion					
	Box No. V Reasoned statement under Rule 43 bis. 1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
Box No. VI Certain documents ci	ited					
Box No. VII Certain defects in the	international ap	plication				
Box No. VIII Certain observations	on the internatio	nal application				
2. FURTHER ACTION						
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.						
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.						
For further options, see Form PCT/ISA/220.						
3. For further details, see notes to Form PCT/ISA	√220.					
Name and mailing address of the ISA/US	Date of comple	tion of this opinion	Authorized office	1/2/		
Mail Stop PCT, Attn: ISA/US Commissioner for Patents 20 March 2006		(20.03.2006)	Deborah Croach, Ph.D.	July	<i>א</i> טש	
P.O. Box 1450 Alexandria, Virginia 22313-1450 Telephone No. 571-272-0500						

Facsimile No. (571) 273-3201
Form PCT/ISA/237 (cover sheet) (April 2005)

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.	-
PCT/US05/05407	

Box No. I Basis of this opinion				
1. With regard to the language, this opinion has been established on the basis of:				
the international application in the language in which it was filed				
a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).	٠			
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:				
a. type of material				
a sequence listing				
table(s) related to the sequence listing				
b. format of material				
on paper				
in electronic form				
c. time of filing/furnishing				
contained in the international application as filed.				
filed together with the international application in electronic form.				
furnished subsequently to this Authority for the purposes of search.				
3. In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.				
4. Additional comments:				

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/05407

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
1. Statement			
Novelty (N)	Claims	1-88	YES
• ( )		NONE	
Inventive step (IS)	Claims		
	Claims	NONE	NO
Industrial applicability (IA)	Claims	1-88	YES
	Claims	NONE	NO
• •		·	
. Citations and explanations:			
Claims 1-88 meet the criteria set out in PCT Article	e 33(2)-(3), beca	use the prior art does not teach or fail	rly suggest the non-naturally
occurring compounds claims, methods of making the	hem and method	s of using them as claimed.	, , , , , , , , , , , , , , , , , , , ,
Claims 1-88 meet the criteria set out in PCT Article	e 33(4), and thus	meet industrial applicability because	the subject matter claimed can
oe made or used in industry.			
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## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/05407

Supplemental Box In case the space in any of the preceding boxes is not sufficient.	
Continuation of IPC: C07H 1/00( 2006.01),9/00( 2006.01),5/04( 2006.01),5/06( 2006.01);C07G 11/00( 2006.01);A01K 67/027( 2006.01);C12P 21/00( 2006.01),19/60( 2006.01);A23C 9/154( 2006.01);C12N 9/10( 2006.01);A01N 43/04( 2006.01);A61K 31/70( 2006.01)	
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